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OGMCOAL - Emery Deep Water Quality Data

From: Steve Christensen
To: Ian McClain; John Gefferth
Date: 7/29/2010 4:06 PM
Subject: Emery Deep Water Quality Data
CC: OGMCOAL
Attachments: Emery Deep_WQ deficiencies.doc

Ian,

Just wrapped up a quick meeting with John on the upcoming exploration at Emery. Before we wrapped up, we discussed the water quality monitoring at Emery. On June 29th, I e-mailed you a list of water quality deficiencies/holes that needed to be addressed. In some instances, nothing was entered in the database and in other instances, a flow was entered but the required water quality data was not entered etc. I haven't heard back on what the status is on addressing those deficiencies.

In order for me to get these reports wrapped up and back on track by the end of this quarter, I need those deficiencies addressed and submitted to me by the end of August at the absolute latest. I can handle any entries that need to be done on my end of the pipeline, but I need you to tell me why the required data was not entered. I've given John a copy of the attached deficiencies.

In addition, the Emery Town well reports need to be submitted and the required data inputted into the database.

In short, we need to get the database cleaned up. Please submit the information I outlined in the deficiency document and the town well reports by August 31st. Failure to do so could result in enforcement action being taken.

Please call with any questions you might have.

Regards,
Steve

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Emery Deep: Water Quality

June 29th, 2010

I. Springs (Sampled in 2nd and 3rd Quarters)

SP-10

2nd qtr. 2008, flow 273 gpm. No WQ data entered.

3rd qtr. 2008, flow 45.7 gpm. No WQ data entered.

No entry for 2nd Qtr. 2009.

3rd qtr. 2009, flow 8.5 gpm. No WQ data entered.

SP-11

2nd qtr. 2008, flow 161 gpm. No WQ data entered.

3rd qtr. 2008, flow 9 gpm. No WQ data entered.

No entry 2nd qtr. 2009.

3rd qtr. 2009, flow 47.5 gpm. No WQ data entered.

SP-15

2nd qtr. 2008, flow 175.032 gpm. No WQ data entered.

3rd qtr. 2008, flow 2.25 gpm. No WQ data entered.

No entry 1st and 2nd qtr. 2009.

3rd qtr. 2009, flow 2.25 gpm. No WQ data entered.

SP-14

3rd qtr. 2008, flow 2.25 gpm. No WQ data entered.

No entry 2nd qtr. 2009.

3rd qtr. 2009, flow 1.3 gpm. No WQ data entered.

SP-13

3rd qtr. 2008, flow 2.2 gpm. No WQ data entered.

No entry 2nd qtr. 2009.

3rd qtr. 2009, flow 8.9 gpm. No WQ data entered.

II. Streams

SWMS-8

No entry 1st qtr. 2008.

No entry 3rd qtr. 2009.

SWMS-10

No entry 3rd qtr. 2009.

SWMA 1A

No entry 1st qtr. 2009.

SWMS 4

No entry 1st qtr. 2009.

SWMS 9

No entry 3rd qtr. 2009.

III. Monitoring Wells

Bryant

Appears there's an access issue with this well.

May need to modify MRP if no longer able to collect quarterly samples.

AA-B

No entry 3rd qtr. 2009.

AA-L

No entry 1st and 3rd qtr. 2009.

AA-M

No entry for 1st, 2nd and 3rd qtr. 2009.

AA-U

No entry for 1st and 3rd qtr. 2009.

EMRIA #1

No entry for 1st and 3rd qtr. 2009.

EMRIA #2

No entry for 1st and 3rd qtr. 2009.

FC346WW

No entry for 1st and 3rd qtr. 2009.

H-B

No entry for 1st and 3rd qtr. 2009.

Access issue? Oil reported in well in 2005.

H-L

No entry for 1st, 2nd and 3rd qtr. 2009.

Oil impacted well.

H-M

No entry for 1st and 3rd qtr. 2009.
Oil impacted well.

H-U

No entry for 1st and 3rd qtr. 2009.
Oil impacted well.

I-B

No entry for 1st and 3rd qtr. 2009.
Oil impacted well.

I-L

No entry for 1st and 3rd qtr. 2009.
Oil impacted well.

I-M

No entry for 1st, 2nd and 3rd qtr. 2009.
Oil impacted well.

I-U

No entry for 1st and 3rd qtr. 2009.
Access issues?

Kemmerer

No entry for 1st and 4th qtr. 2009.
No WQ data for 3rd qtr. 2008.
Water level from 3rd qtr. 2008 is the same as 1st qtr. 2008 where WQ data was submitted.
2nd qtr. 2009, water level was lower than 3rd qtr. 2008, but WQ samples submitted.

Lewis

No entry for 3rd qtr. 2009.
Access issue?

Muddy 1

No entry for 3rd qtr. 2009.

Muddy 2

No entry for 1st and 3rd qtr. 2009.

R1

No entry for 3rd qtr. 2008.
No entry for 1st, 2nd and 3rd qtr. 2009.

R2-B

No entry for 1st, 3rd and 4th qtr. 2009.

R2-M

No entry for 1st and 3rd qtr. 2009.

R2-U

No entry for 1st and 3rd qtr. 2009.

RDA Wells

Table VI-17 indicates the RDA wells are sampled annually. It appears that this sampling occurs in the 2nd quarter of the year (typically in June).

RDA6 has no entry for 2nd qtr. 2009.

SM1-1

No entry for 2nd and 3rd qtr. 2009.

SM1-2

Access issues.

Notes indicate the well is "buried" under the county road.

We should revise the MRP and remove this site if no longer accessible.

SM1-4

No WQ data for 4th qtr. 2009.

T1-B

No entry for 1st qtr. 2009.

No WQ data for 4th qtr. 2009.

T1-U

No entry for 3rd qtr. 2009.

Dry well.

T2-B

Missing water level for 4th qtr. 2009.

T2-U

No entry for 3rd qtr. 2009.

Dry well.

TP-U

No entry for 1st and 3rd qtr. 2009.

Dry well.

USGS 1-2

No WQ data for 2nd and 3rd qtr. 2008.

Reported as a dry well 4th qtr. 2008.

USGS 3-1

Reported as a dry well 2nd qtr. 2008.

USGS 4-1

No WQ data for 2nd and 3rd qtr. 2008.

Reported as a dry well 1st qtr. 2009.

WW1

No water level provided for 4th qtr. 2009 entry.

ZZ-L

This well is no longer required by the plan.